



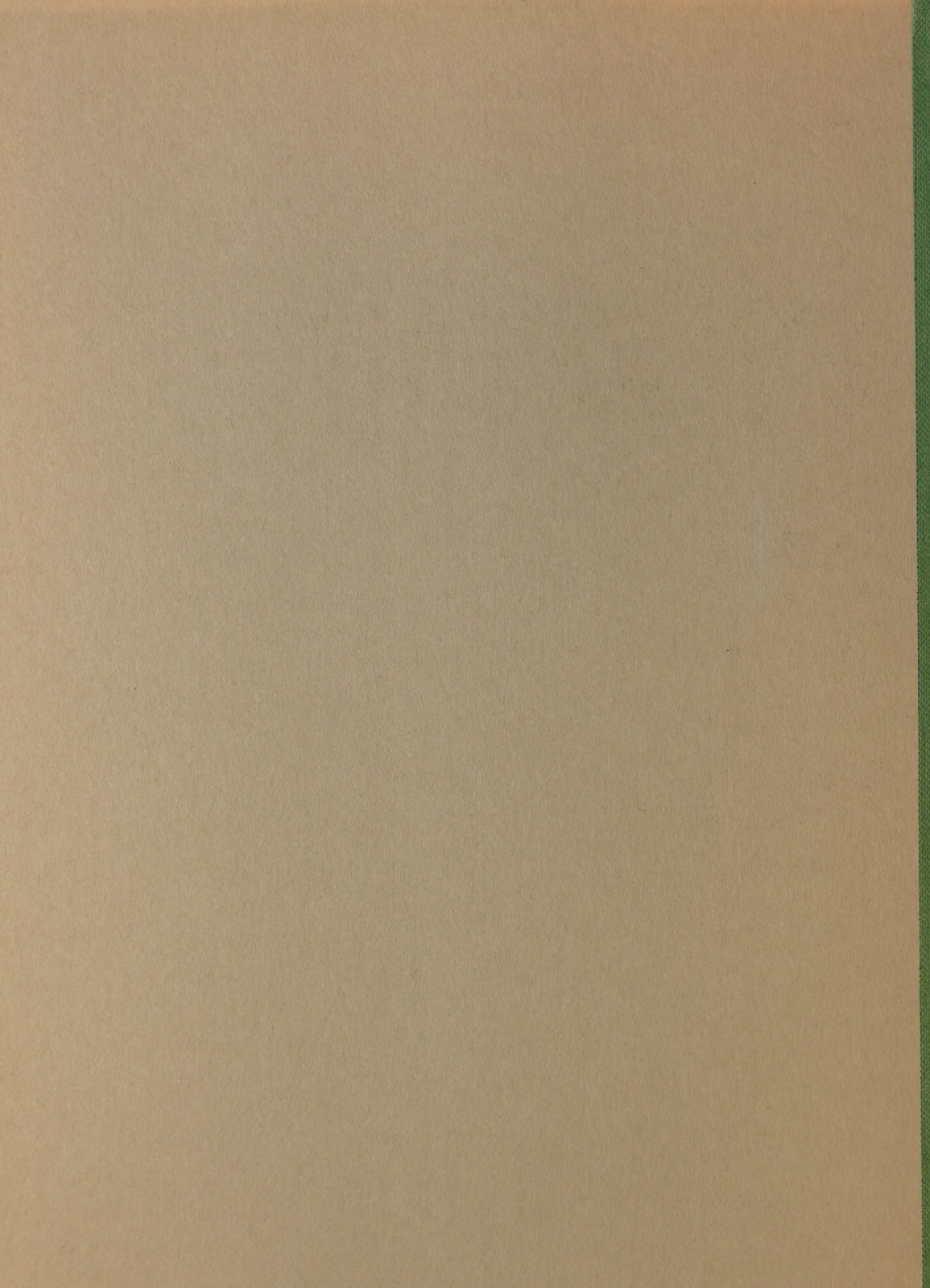
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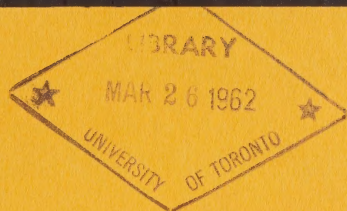
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OF THE

FOREST PRODUCTS RESEARCH BRANCH

OTTAWA AND VANCOUVER
LABORATORY LABORATORY

DEPARTMENT OF FORESTRY
CANADA

Issued under the authority of the
Honourable Hugh John Flemming, P.C., M.P.,
Minister of Forestry

FOREST PRODUCTS RESEARCH BRANCH
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FOREWORD

The Forest Products Research Branch - Department of Forestry, Canada - comprises a Branch Headquarters, with Research Laboratories located at Ottawa and Vancouver.

Research at both Laboratories follows generally similar lines and is concerned with the determination of the mechanical, physical, and chemical properties of Canadian commercial timber species. Research and investigations extend to the fields of conversion and utilization. All research work is planned to obtain data and information essential to an informed utilization of wood.

For the more than forty-five years, during which forest products research has been carried on by FPRB, an extensive and comprehensive record of data and information have been accumulated. As important and informative data have become available, they have served as the basis for various types of reports.

In this manner the end results of research have been widely circulated so that they could serve as basic information for the planning of industrial improvements and developments. This is a continuing policy of the FPRB and new publications are prepared and released whenever warranted.

The following pages list all publications carried in stock at date of printing.

FOREST PRODUCTS RESEARCH BRANCH

A graphic presentation of forest products research in Canada is contained in a new publication entitled "Forest Products Research Branch". Beginning with the history and role of the Branch and its two Laboratories, the publication covers fields of activity, co-operative functions, research program, organization, personnel, and dissemination of information. Over forty illustrations supplement the text of this 28-page booklet. Copies are available on request.

TO OBTAIN PUBLICATIONS

Requests for publications (other than "Canadian Woods") should be addressed to:

Ottawa Laboratory,
Forest Products Research Branch,
Department of Forestry,
Ottawa 2.

- or -

Vancouver Laboratory,
Forest Products Research Branch,
Department of Forestry,
6620 N.W. Marine Drive,
Vancouver 8, B.C.

"Canadian Woods" is the only publication in this List for which there is a charge.

English Printing, Second Edition \$3.00

Requests for "Canadian Woods", together with cheque or money order payable to the RECEIVER GENERAL OF CANADA, should be addressed to:

Queen's Printer,
Ottawa, Ontario.

RESEARCH NEWS

"Research News" is a bi-monthly publication compiled by the Forest Products Research Branch. It contains brief reports and descriptions of current research work conducted at the Ottawa and Vancouver Laboratories as well as other items of interest to the wood-using industries.

Each issue of "Research News" includes a list of titles of the latest publications released by the FPRB. Therefore reference to "Research News" will provide a bi-monthly supplement for this "List of Publications".

On request, addresses will be added to the FPRB mailing list to receive future copies of "Research News".

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* - An asterisk denotes a publication which is cross referenced under more than one subject heading.

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- * Bulletin 94 Density and Rate of Growth in the Spruces and Balsam Fir of Eastern Canada, J.D. Hale and J.B. Prince, 1940 - (O).
- * " 100 Effects of Chemical Treatment of Pulpwood Trees, D.C. McIntosh, 1951 - (O).
- * Circular 30 Rate of Growth and Density of the Wood of White Spruce, J.D. Hale and K.G. Fensom, 1931 - (O).
- * Tech. Note 13 The Effect of Compression Wood on the Mechanical Properties of White Spruce and Red Pine, E. Perem - (O).
- " " 23 Some Effects of Repeated Drying and Wetting on Wood Properties, Clayton T. Keith - (O).
- Structure of Wood, J.D. Hale. (Chapter 3 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- * O-158 - Studies of the Floating Properties of Pulpwood Logs, D.C. McIntosh, 1951.
- O-186 - Importance of Compression Wood and Tension Wood in Appraising Wood Quality, J.D. Hale, E. Perem, L.P. Clermont, 1961.
- * Determination of the Fibre-Saturation Point of Wood by Centrifuging, E. Perem. (Reprinted from Journal of the Forest Products Research Society, April 1954) - (O).
- * Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, Oct. 1955) - (O).
- * Thickness and Density of Bark. Trends of Variation for Six Pulpwood Species, J.D. Hale. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1955) - (O).
- * The Anatomical Basis of Dimensional Changes of Wood in Response to Changes in Moisture Content, J.D. Hale. (Reprinted from Forest Products Journal, April 1957) - (O).
- * Transverse Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, March, 1957) - (O).
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- Characteristics of Annual Rings in Relation to Wood Quality in White Spruce, C.T. Keith. (Reprinted from Forest Products Journal, March, 1961 - (O).
- The Definition of Normal Characteristics of Wood of Variable Species, J.D. Hale. (Reprinted from Recent Advances in Botany, 1961) - (O).
- Is Spiral Grain the Normal Growth Pattern? P.L. Northcott. (Reprinted from B.C. Lumberman, April 1958) - (V).

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- Chemical Utilization of Wood, C. Greaves and H. Schwartz. (Chapter 8 of the book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- O-88 - Cedar Leaf Oils. A Review of the Available Information, C. Greaves. (Revised 1949).
- O-114 - Improved Wood - Brief Review of Various Developments, 1946.
- O-123 - Canada Balsam - Its Preparation and Uses, F.G. Marriott. (Revised by F. Bender, 1951).
- O-135 - Production of Pine Tar by the Destructive Distillation of Canadian Softwoods, H. Schwartz and C. Greaves, 1944.
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- V-1009 - Tannin for the Leather Industry from Sea-Water Floated Western Hemlock Bark, H. MacLean and J.A.F. Gardner, 1950.
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(Paper delivered at 7th Annual National Meeting, F.P.R.S., Memphis, Tenn., 1953) - (O).
- Strength Properties of Chlorine Dioxide Pulps from Sawdust, N. Levitin and H. Schwartz.
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- Fractionation and Identification of the Hemicellulose Components of Black Spruce, L.P. Clermont. (Reprinted from Pulp and Paper Magazine of Canada, October 1955) - (O).
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- The Fatty Acids of Aspen Poplar, Basswood, Yellow Birch and White Birch, L.P. Clermont.
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| " | 39 | The Design of Wooden Boxes, R.S. Millett, 1948 - (O). |

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- Tech. Note 17 The Selection and Use of Wood in Protective Packing,
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- " " 22 Design of Containers and Interior Packing, J.M. Rudnicki - (O).
- " " 29 The Principles and Problems of Export Packing, C.H. Nethercote - (O).
- Shipping Containers, W. Butterworth. (Chapter 12 of book "Canadian Woods: Their
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- O-106 - Effect of Slant Driving on the Holding Power of Nails,
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- Recent Developments in Containers, W. Butterworth. (Paper presented at the
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- Domestic and Overseas Shipping Need Efficient Protective Packs, W. Butterworth.
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- Particle Board as a Packaging Material, C.H. Nethercote. (Reprinted from Packaging
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- Bulletin 120 Production of Wallboard from Wood Waste, F. Bender and F. King,
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- * Tech. Note 6 Wood Residues as Pulp Material and Developments in Wallboard
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- * " " 31 Use of Wood and Wood Residues in Production of Fibreboard and
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- Production of Hard-Pressed Fibreboards from Western Red Cedar Shingle Mill Waste,
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Spruce and Balsam Bark as a Source of Fibre Products, F. Bender. (Reprinted from Pulp and Paper Magazine of Canada, Sept. 1959) - (O).

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GENERAL PROPERTIES and USES

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* " 101 Sawdust as Fuel in Eastern Canada, 1951 - (O).

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* " 110 Dielectric Heating as Applied to the Woodworking Industries, R.W. Peterson, 1954 - (O).

Circular 50 Vegetable Glues for Plywood and Veneers, G.L. Rosser and W. Gallay, 1937 - (O).

* Tech. Note 4 The Dielectric Properties of Resin Glues for Wood, T.J.S. Cole and O.S. Roscoe - (O).

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- Tech. Note 8 Durability of Urea-Formaldehyde and Casein Adhesives at Elevated Temperatures, E.G. Bergin - (O).
- " " 12 Effect of Wood Moisture Content on Gluing, E.G. Bergin - (O).
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- Tech. Note 9 The Efficiency of Scarf Joints, A.P. Jessome - (O).
- Glued Laminated Construction and Timber Fastenings, D.E. Kennedy and J.M. Rudnicki - (Chapters 11 and 13 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).
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- Panels for House Construction, W. Thornber, 1948 - (O).
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" 116 Sap Stain and Mould Prevention on British Columbia Softwoods, H.W. Eades, 1956 - (V).

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* " 41 Western Red Cedar: Significance of its Heartwood Colorations, H.W. Eades and J.B. Alexander, 1934 - (V).

" 58 Decay in Red-Stained Jack Pine Ties Under Service Conditions, C.W. Fritz and E.A. Atwell, 1941 - (O).

" 61 Cause and Prevention of Decay in Wooden Buildings with Particular Reference to the Coastal Region of British Columbia, H.W. Eades, 1945 - (V).

* " 63 Red Stain and Pocket Rot in Jack Pine - Their Effect on Strength and Serviceability of the Wood, 1948 - (O).

* " 65 Strength of Jack Pine Poles Infected with Pocket Rot, D.E. Kennedy and W.E. Wakefield, 1948 - (O).

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- V-1007 - Sap Stain and Mould Prevention - The Relative Efficacy of Certain Chemicals, H.W. Eades and J.W. Roff, 1950.
- V-1019 - Wooden Scows - Some Factors Affecting Their Durability, H.W. Eades. (Revised, 1956).
- V-1023 - Red Heart Stain of Lodgepole Pine Logs in the Northern Interior of British Columbia, H. W. Eades and J.W. Roff, 1957.
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- Tolerance of Some Fungi to a Water-Soluble Preservative and its Components, C. Madhosingh (Reprinted from Forest Products Journal, Jan. 1961) - (O).
- The Metabolic Detoxication of 2, 4-Dinitrophenol by Fusarium Oxysporum, C. Madhosingh. (Reprinted from Canadian Journal of Microbiology, Aug. 1961) - (O).
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- Toxicity Tests of a Water-Soluble Phenolic Fraction (Thujaaplicin-Free) of Western Red Cedar, J.W. Roff and J.M. Atkinson. (Reprinted from Canadian Journal of Botany, Jan. 1954) - (V).
- Loss in Stiffness Evaluates Decay Resistance of Wood Treated with Copper Naphthenate, J.W. Roff and H. Shen. (Reprinted from Forest Products Journal, Aug. 1959) - (V).
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- * " 110 Dielectric Heating as Applied to the Woodworking Industries, R.W. Peterson, 1954 - (O).

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- * Tech. Note 4 The Dielectric Properties of Resin Glues for Wood, T.J.S. Cole and O.S. Roscoe - (O).
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- * O-89 - Heating Value of Wood Fuels, J.D. Hale, 1933. (Reissued, 1952).
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